

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application : CHRISTIAN DURIEZ, ET AL.  
 Application No. : 10/593,834  
 Deposit date : September 22, 2006  
 Confirmation No. : 5483  
 For : METHOD AND DEVICE FOR THE INTERACTIVE  
 SIMULATION OF CONTACT BETWEEN OBJECTS  
 Examiner :  
 Attorney's Docket : BDL-506XX

TC Art Unit:

\*\*\*\*\*  
 I hereby certify that this correspondence is being deposited with the  
 United States Postal Service as first class mail in an envelope  
 addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450,  
 Alexandria, VA 22313-1450 on \_\_\_\_\_.

By: \_\_\_\_\_

Charles L. Gagnebin III  
 Registration No. 25,467  
 Attorney for Applicant(s)

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Sir:

It is desired to cite for the record in this application the  
 enclosed references listed on the attached copy of PTO Form #1449. The  
 paragraph(s) marked below are applicable to this Information Disclosure  
 Statement.

- [ ] (1) Pursuant to 37 C.F.R. § 1.97(b)(1) and (2), the attached  
 Information Disclosure Statement is being filed within three  
 months of the filing date of the above identified national  
 application or within three months of the date of entry of the  
 national stage as set forth in 37 C.F.R. § 1.491 of the above  
 identified application. Accordingly, applicant(s) believes that  
 no fee or statement under 37 C.F.R. § 1.97(e) is required.

Express Mail Number

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- ☐ (2) Pursuant to 37 C.F.R. § 1.97(b)(3), applicant(s) believes the attached Information Disclosure Statement is being filed before the mailing date of a first Office action on the merits. Accordingly, applicant(s) believes that no fee or statement under 37 C.F.R. § 1.97(e) is required.
- ☐ (3) Pursuant to 37 C.F.R. § 1.97(b)(4), applicant(s) believes the attached Information Disclosure Statement is being filed before the mailing date of a first Office action after the filing of a request for continued examination under § 1.114. Accordingly, applicant(s) believes that no fee or statement under 37 C.F.R. § 1.97(e) is required.
- ☐ (4) Pursuant to 37 C.F.R. § 1.97(c), the attached Information Disclosure Statement is being filed before the mailing date of a final action or a notice of allowance and is accompanied by:  
☐ a statement under 37 CFR § 1.97(e); or  
☐ the fee set forth in § 1.17(p).

PETITION UNDER 37 CFR § 1.97(d)

- ☐ (5) Pursuant to 37 CFR § 1.97(d), applicant(s) hereby petitions the Commissioner to consider the attached Information Disclosure Statement which is being filed on or before payment of the issue fee. This petition is accompanied by a statement under 37 C.F.R. § 1.97(e) and the petition fee set forth in 37 C.F.R. § 1.17(p).

STATEMENT UNDER 37 C.F.R. § 1.97(e) (1)

- ☐ (6) The undersigned hereby states that each item of information contained in the attached Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

STATEMENT UNDER 37 C.F.R. § 1.97(e) (2)

- ☐ (7) The undersigned hereby states that no item of information contained in the attached Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the undersigned after making reasonable inquiry, no item of

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information contained in the attached Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Where the status of the application has changed, unknown to the applicant, such that the boxes checked are no longer applicable, the Commissioner is authorized to accept this submission with any additional fees required by that change charged to Deposit Account No. 23-0804.

The filing of this Information Disclosure Statement is not a representation by the undersigned as to personal knowledge of the contents of every word or phrase of the material enclosed or that reliance on other suitably trained professionals has not been made. The filing of this Information Disclosure Statement is not to be construed to be an admission that the information cited herewith is, or is considered to be, material to patentability as defined in 37 CFR §1.56(b), or that Applicant(s) is(are) unable to provide an affidavit under 37 CFR §1.131 swearing back of such information.

If a search report of a searching agency is enclosed identifying the nature of the relevance of each document, such a designation is deemed to satisfy 37 C.F.R. § 1.98(a)(3) even if in a foreign language because the codes are the same in all languages. However, applicant(s) does not necessarily adopt the position reflected by that report.

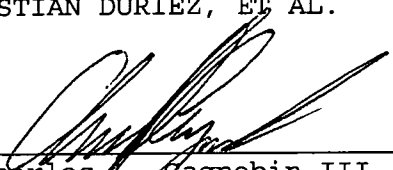
Copies of the foreign references and/or non-patent references cited in the International Search Report (ISR) and our IDS at filing are now enclosed.

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The Commissioner is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment to Deposit Account No. 23-0804. Triplicate copies of this letter are enclosed.

Respectfully submitted,

CHRISTIAN DURIEZ, ET AL.

By:   
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DATE: March 23, 2007

CLG/mc/349815.1  
Enclosure

Date: March 23, 2007

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<b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				ATTY. DOCKET NO.  BDL-506XX		APPLICATION NO.  10/593,834	
				APPLICANT: Christian Duriez, et al.			
				DEPOSIT DATE September 22, 2006		TC ART UNIT	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION/ ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO
<b>OTHER DOCUMENTS</b> <i>(including Author, Title, Date, Pertinent Pages, etc.)</i>							
/C.P./	DEBUNNE G ET AL: "DYNAMIC REAL-TIME DEFORMATIONS USING SPACE & TIME ADAPTIVE SAMPLING", COMPUTER GRAPHICS. SIGGRAPH 2001. CONFERENCE PROCEEDINGS. LOS ANGELES, CA, AUG. 12 - 17, 2001, COMPUTER GRAPHICS PROCEEDINGS. SIGGRAPH, NEW YORK, NY : ACM, US, 12 Août 2001 (2001-08-12), pages 31-36.						
/C.P./	RUSPINI D C ET AL: "Haptic interaction in virtual environments", INTELLIGENT ROBOTS AND SYSTEMS, 1997. IROS '97., PROCEEDINGS OF THE 1997 IEEE/RSJ INTERNATIONAL CONFERENCE ON GRENOBLE, FRANCE 7-11 SEPT. 1997, NEW YORK, NY, USA, IEEE, US, vol. 1, 7 septembre 1997 (1997-09-07), pages 128-133.						
/C.P./	KUHNAPFEL U ET AL: "Endoscopic surgery training using virtual reality and deformable tissue simulation", COMPUTERS AND GRAPHICS, PERGAMON PRESS LTD. OXFORD, GB, vol. 24, no. 5, octobre 2000 (2000-10), pages 671-682.						
/C.P./	BERGEN VAN DEN G: "Efficient Collision Detection of Complex Deformable Models using AABB Trees", JOURNAL OF GRAPHICS TOOLS, ASSOCIATION FOR COMPUTING MACHINERY, NEW YORK; US, vol. 2, no. 4, 6 novembre 1998 (1998-11-06), pages 1-14.						
/C.P./	BARAFF D: "FAST CONTACT FORCE COMPUTATION FOR NONPENETRATING RIGID BODIES", COMPUTER GRAPHICS PROCEEDINGS. ANNUAL CONFERENCE SERIES. SIGGRAPH, XX, XX, juillet 1994 (1994-07), pages 23-34.						
/C.P./	PICINBONO G ET AL: "Anisotropic elasticity and force extrapolation to improve realism of surgery simulation" PROCEEDINGS OF THE 2000 IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION, vol. 1, 24 avril 2000 (2000-04-24), pages 596-602.						
<b>EXAMINER</b> /Carlos Perromat/				<b>DATE CONSIDERED</b> 01/04/2009			
<b>*EXAMINER:</b> Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

CLG/mc/349812.1 (refs encl)

**REFERENCES were cited in ISR of PCT/FR2006/000699**